

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: /0/533,208
Source: PG
Date Processed by STIC: 6/30/06

ENTERED



PCT

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DATE: 06/30/2006
                     RAW SEQUENCE LISTING
                     PATENT APPLICATION: US/10/533,208
                                                             TIME: 08:48:24
                     Input Set : F:\INV4-11WO.ST25.txt
                     Output Set: N:\CRF4\06302006\J533208.raw
      3 <110> APPLICANT: Invitrogen Corporation
      5 <120> TITLE OF INVENTION: ARRAY OLIGOMER SYNTHESIS AND USE
      7 <130> FILE REFERENCE: INV850/4-011WO
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/533,208
C--> 10 <141> CURRENT FILING DATE: 2005-04-28
     12 <150> PRIOR APPLICATION NUMBER: 60/421,942
     13 <151> PRIOR FILING DATE: 2002-10-28
     15 <160> NUMBER OF SEQ ID NOS: 129
     17 <170> SOFTWARE: PatentIn version 3.3
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     20 <211> LENGTH: 80
     21 <212> TYPE: DNA
     22 <213> ORGANISM: Artificial
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     28 <220> FEATURE:
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     31 <223> OTHER INFORMATION: n = reverse Uridine
     33 <220> FEATURE:
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     41 ctgcaggaac tggatcaggn
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     45 <211> LENGTH: 81.
     46 <212> TYPE: DNA
     47 <213> ORGANISM: Artificial
     49 <220> FEATURE:
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     53 <220> FEATURE:
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     55 <222> LOCATION: (41)..(41)
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     60 <222> LOCATION: (81)..(81)
     61 <223> OTHER INFORMATION: n = reverse Uridine
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W--> 64 caaggatett acceptgttg gtgaccetge agagatatet ntaatacgae teactatagg
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     66 gttccggaag taggtgatgt n
                                                                                81
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                     Output Set: N:\CRF4\06302006\J533208.raw
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    85 <222> LOCATION: (80)..(80)
    86 <223> OTHER INFORMATION: n = reverse Uridine
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    95 <211> LENGTH: 81
    96 <212> TYPE: DNA
    97 <213> ORGANISM: Artificial
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    111 <223> OTHER INFORMATION: n = reverse Uridine
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    122 <213> ORGANISM: Artificial
    124 <220> FEATURE:
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    128 <220> FEATURE:
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    130 <222> LOCATION: (41)..(41)
    131 <223> OTHER INFORMATION: n = reverse Uridine
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    135 <222> LOCATION: (82)..(82)
    136 <223> OTHER INFORMATION: n = reverse Uridine
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Input Set : F:\INV4-11WO.ST25.txt Output Set: N:\CRF4\06302006\J533208.raw W--> 139 caaggatett accgetgttg gtgaccetge agagatatet negetecaga ettgagteeg 60 141 agttccggaa gtaggtgatg tn 82 144 <210> SEQ ID NO: 6 145 <211> LENGTH: 81 146 <212> TYPE: DNA 147 <213> ORGANISM: Artificial 149 <220> FEATURE: 150 <223> OTHER INFORMATION: Oligonucleotide probes 153 <220> FEATURE: 154 <221> NAME/KEY: misc feature 155 <222> LOCATION: (41)..(41) 156 <223> OTHER INFORMATION: n = reverse Uridine 158 <220> FEATURE: 159 <221> NAME/KEY: misc feature 160 <222> LOCATION: (81)..(81) 161 <223> OTHER INFORMATION: n = reverse Uridine 163 <400> SEQUENCE: 6 W--> 164 caaggatett accgetgttg gattggeatt gecatgggat negeteeaga ettgagteeg 60 166 atccacagca gctacgatgg n 169 <210> SEQ ID NO: 7 170 <211> LENGTH: 26 171 <212> TYPE: DNA 172 <213> ORGANISM: Artificial 174 <220> FEATURE: 175 <223> OTHER INFORMATION: Oligonucleotide probes 178 <220> FEATURE: 179 <221> NAME/KEY: misc feature 180 <222> LOCATION: (11)..(11) 181 <223> OTHER INFORMATION: n = 5' phosphoramidite with 2'-acetyl and 3'-DMT 183 <400> SEQUENCE: 7 W--> 184 ttttttttt ngtccacagc atccga 26 187 <210> SEQ ID NO: 8 188 <211> LENGTH: 26 189 <212> TYPE: DNA 190 <213> ORGANISM: Artificial 192 <220> FEATURE: 193 <223> OTHER INFORMATION: Oligonucleotide probes 196 <220> FEATURE: 197 <221> NAME/KEY: misc_feature 198 <222> LOCATION: (11)..(11) 199 <223> OTHER INFORMATION: n = 3' phosphoramidite with 2'-fpmp and 5' DMT 201 <400> SEQUENCE: 8 W--> 202 ttttttttt ngtccacagc atccga 26 205 <210> SEQ ID NO: 9 206 <211> LENGTH: 27 207 <212> TYPE: DNA 208 <213> ORGANISM: Artificial 210 <220> FEATURE: 211 <223> OTHER INFORMATION: Oligonucleotide probes

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PATENT APPLICATION: US/10/533,208

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Input Set : F:\INV4-11WO.ST25.txt

Output Set: N:\CRF4\06302006\J533208.raw

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W>			27
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		<212> TYPE: DNA	
	226	<213> ORGANISM: Aequorea victoria	
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	232	<210> SEQ ID NO: 11	
	233	<211> LENGTH: 44	
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	235	<213> ORGANISM: Aequorea victoria	
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		<213> ORGANISM: Aequorea victoria	
		<400> SEQUENCE: 15	
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		<210> SEQ ID NO: 16	12
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		<212> TYPE: DNA	
		<213> ORGANISM: Aequorea victoria	
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Input Set : F:\INV4-11WO.ST25.txt

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207	211. I DNCMU. 41	
	<211> LENGTH: 41 <212> TYPE: DNA	
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	<211> LENGTH: 41	
	<212> TYPE: DNA	
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	<210> SEQ ID NO: 25	
	<211> LENGTH: 42	

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Input Set : F:\INV4-11WO.ST25.txt

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 40,80 Seq#:2; N Pos. 41,81 Seq#:3; N Pos. 41,80 Seq#:4; N Pos. 40,81 Seq#:5; N Pos. 41,82 Seq#:6; N Pos. 41,81 Seq#:7; N Pos. 11 Seq#:8; N Pos. 11 Seq#:9; N Pos. 11

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,44,45,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62
Seq#:63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86
Seq#:87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102,103,104,105,106,107
Seq#:108,109,110,111,112,113,114,115,116,117,118,119,120,121,122,123,124,125
Seq#:126,127,128

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Input Set : F:\INV4-11WO.ST25.txt
Output Set: N:\CRF4\06302006\J533208.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:39 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0 M:341 Repeated in SeqNo=1 L:64 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0 M:341 Repeated in SeqNo=2 L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0 M:341 Repeated in SeqNo=3 L:114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0 M:341 Repeated in SeqNo=4 L:139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0 M:341 Repeated in SeqNo=5 L:164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0 M:341 Repeated in SeqNo=6 L:184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0 $L{:}202~M{:}341~W{:}$ (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0 L:220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0